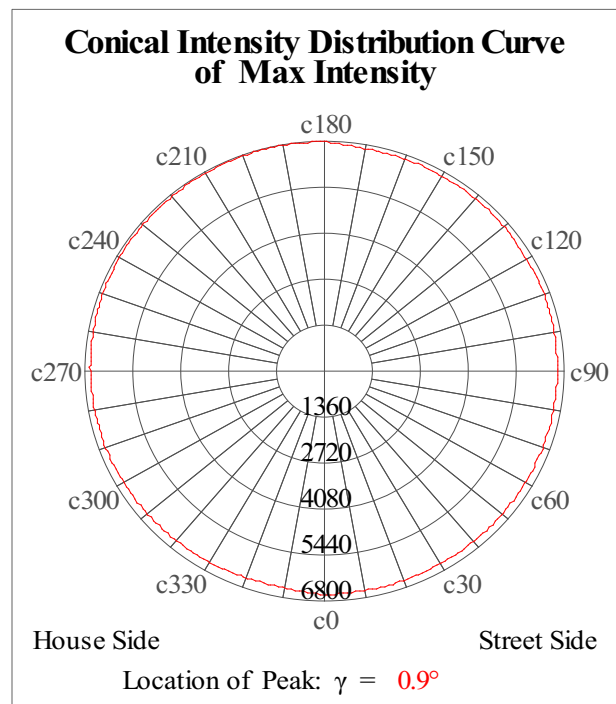
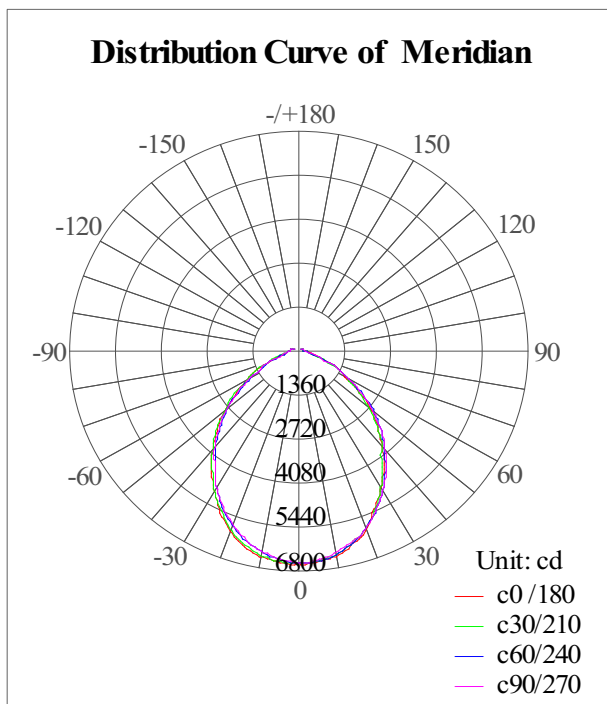


## Photometric Data of Lamp

Lamp Description		
Lamp Name: FDL	Lamp Size: 39cm×36.5cm×5.5cm	Lamp Weight:
Lamp Type: FDL-S3-100W	Rated Voltage: 230 V	Rated Power: 100 W
Light Type: LED	Light Number:	Rated Flux:
Light Standard:	Light Area: 31.5cm×16.5cm	Light Flux:

Measured Data of Lamp			
Voltage: 229.1 V	Current: 0.45 A	Power: 102.4 W	Power Factor: 0.993
Total Flux	13113.10 lm	Central Intensity	6689.32 cd
Lamp Efficiency	0.00%	Light Efficiency	128.06 lm/W
Peak Intensity	6741.62 cd	Location of Peak(c,γ)	(0.0°, 0.9°)
Half-Intensity Angle	88.2°	BeamAngle	130.5°
Upward Light Ratio	0	Downward Light Ratio	100%
Upward Street Side	0	Downward Street Side	6700.88 lm
Upward House Side	0	Downward House Side	6413.29 lm
Flash Area(76°)	504 cm2	Discomfort Glare(SLI)	0



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

γ Range: 0度-90度

γ Interval: 0.9度

Test Date: 2019-05-09

Test Time: 10-13-24

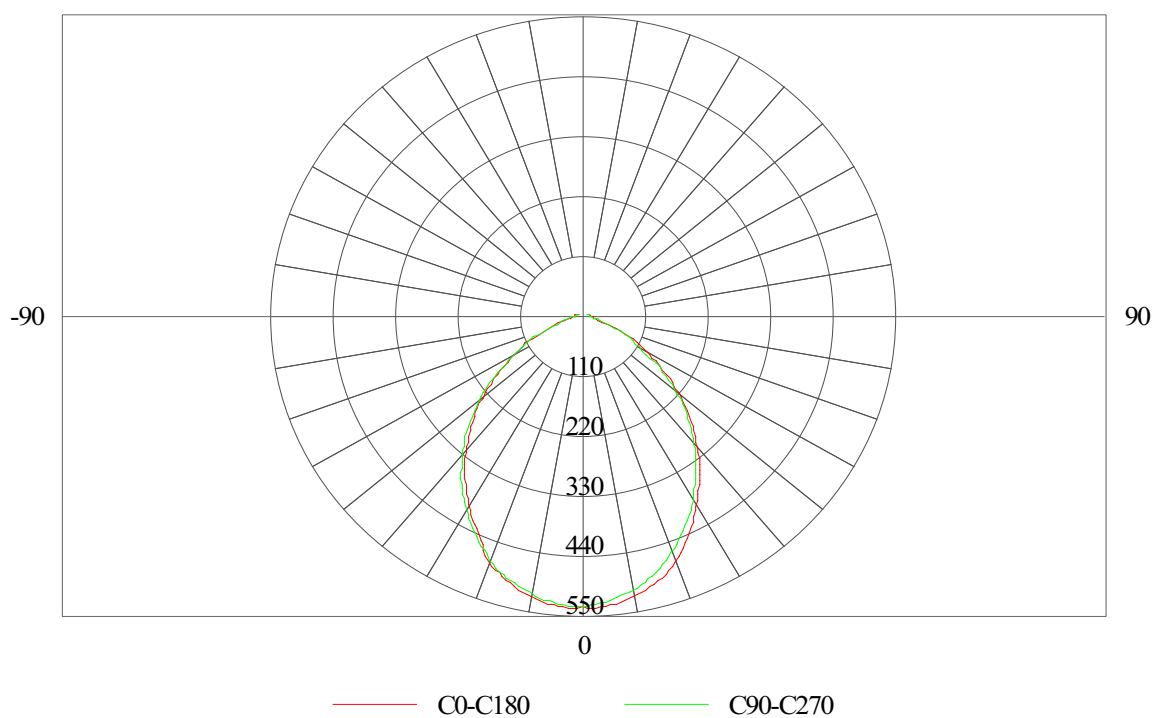
Temperature: 25℃

Humidity: 65%

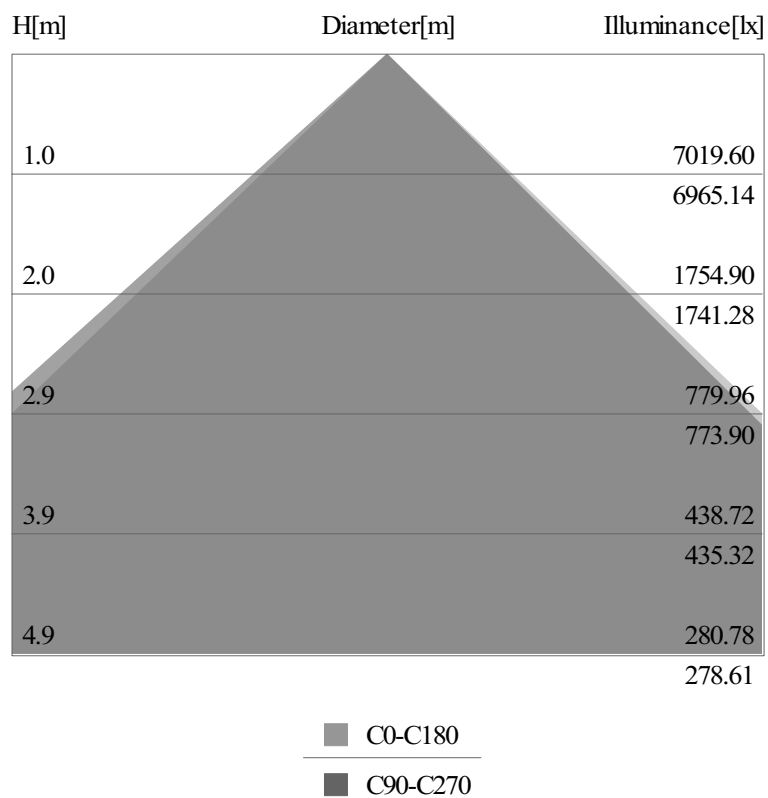
Test No.:

Tester:

## cd/1000 lm Curve

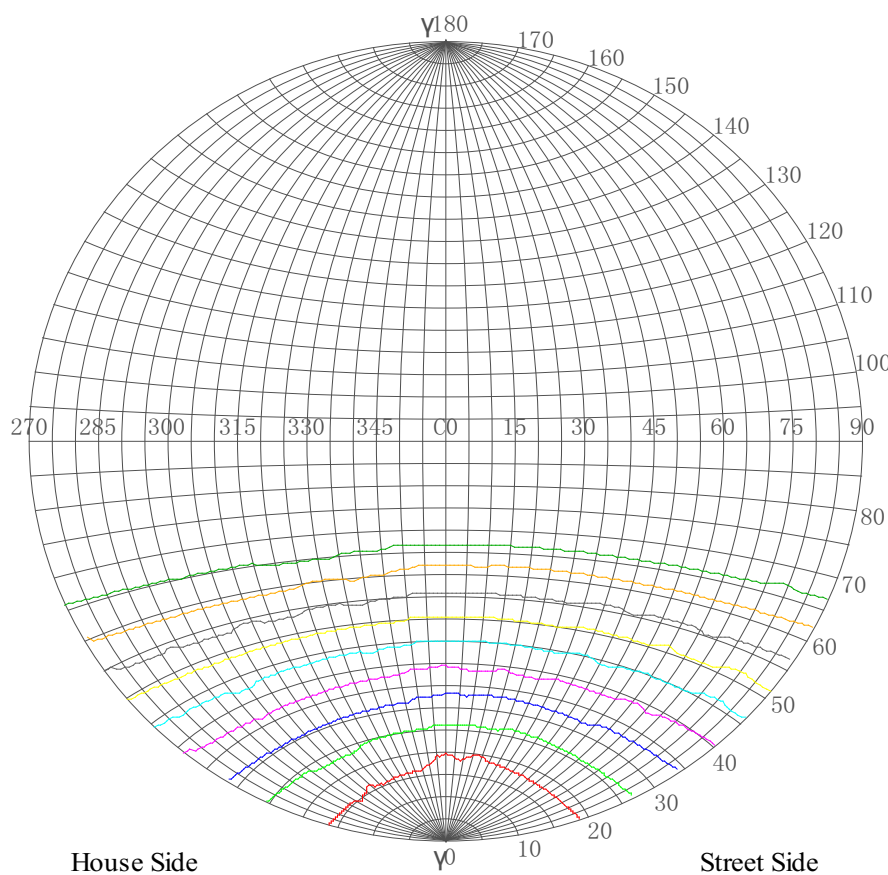


## Illumination Cone Curve



## Isocandela Curve of Road Lamp (Round Net Curve)

Lamp Description		
Lamp Name: FDL	Lamp Size: 39cm×36.5cm×5.5cm	Lamp Weight:
Lamp Type: FDL-S3-100W	Rated Voltage: 230 V	Rated Power: 100 W
Light Type: LED	Light Number:	Rated Flux:
Light Standard:	Light Area: 31.5cm×16.5cm	Light Flux:



### Road Lamp Type

CIE: cut-off  
 CIE: short-narrow extension  
 IES: cut-off  
 IES: II-very short  
 Max. At80: 10.96cd/klm  
 Max. At90: 7.4155cd/klm

Isocandela Curve(Round Net)	
Intensity Unit	cd
Imax= 100%	6742
90%	6068
80%	5394
70%	4720
60%	4045
50%	3371
40%	2697
30%	2023
20%	1349
10%	675

c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

γ Range: 0度-90度

γ Interval: 0.9度

Test Date: 2019-05-09

Test Time: 10-13-24

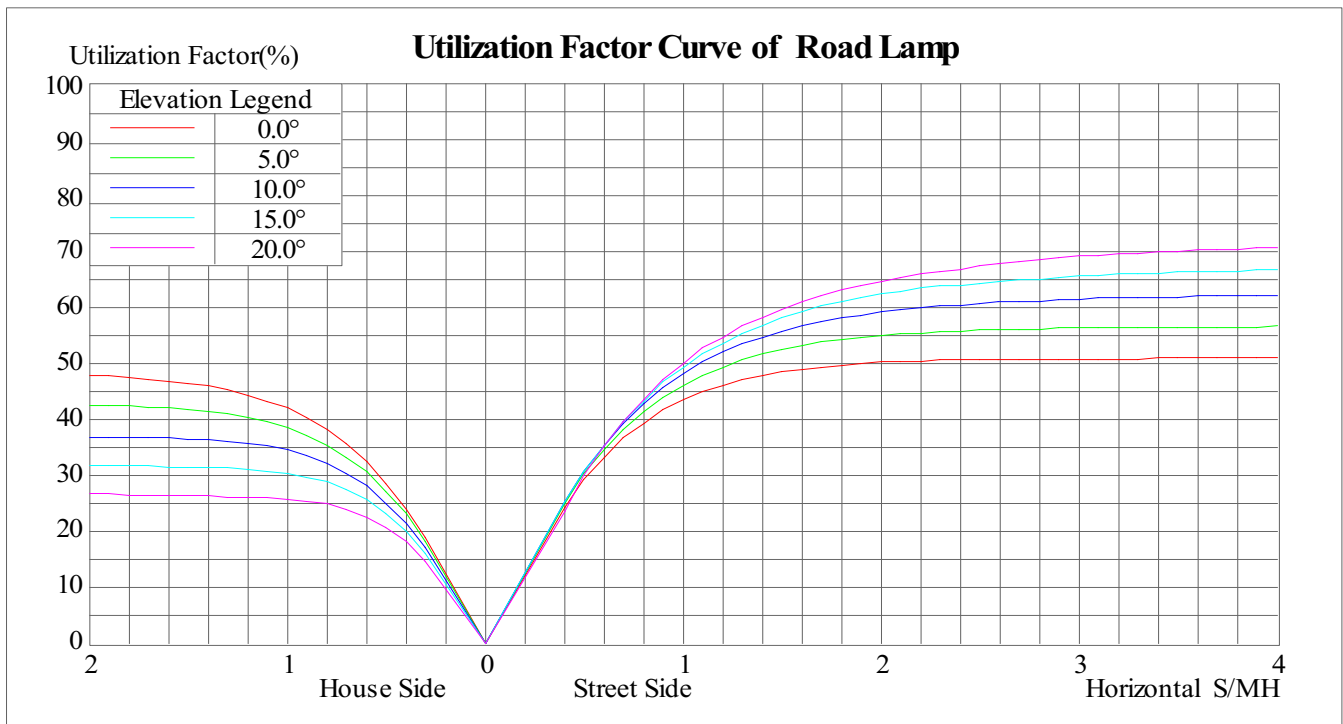
Temperature: 25℃

Humidity: 65%

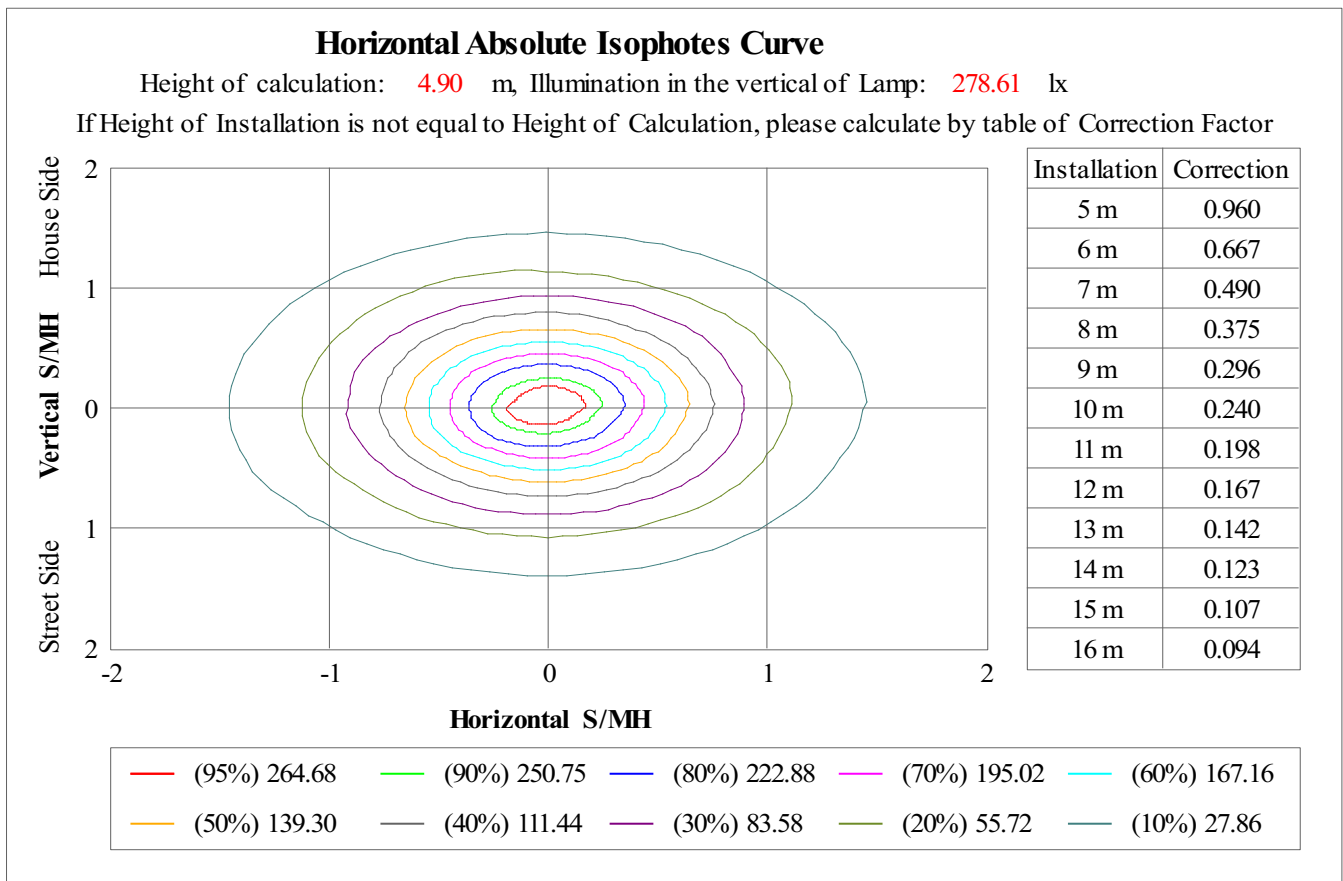
Test No.:

Tester:

## Lamp Utilization Factor Curve

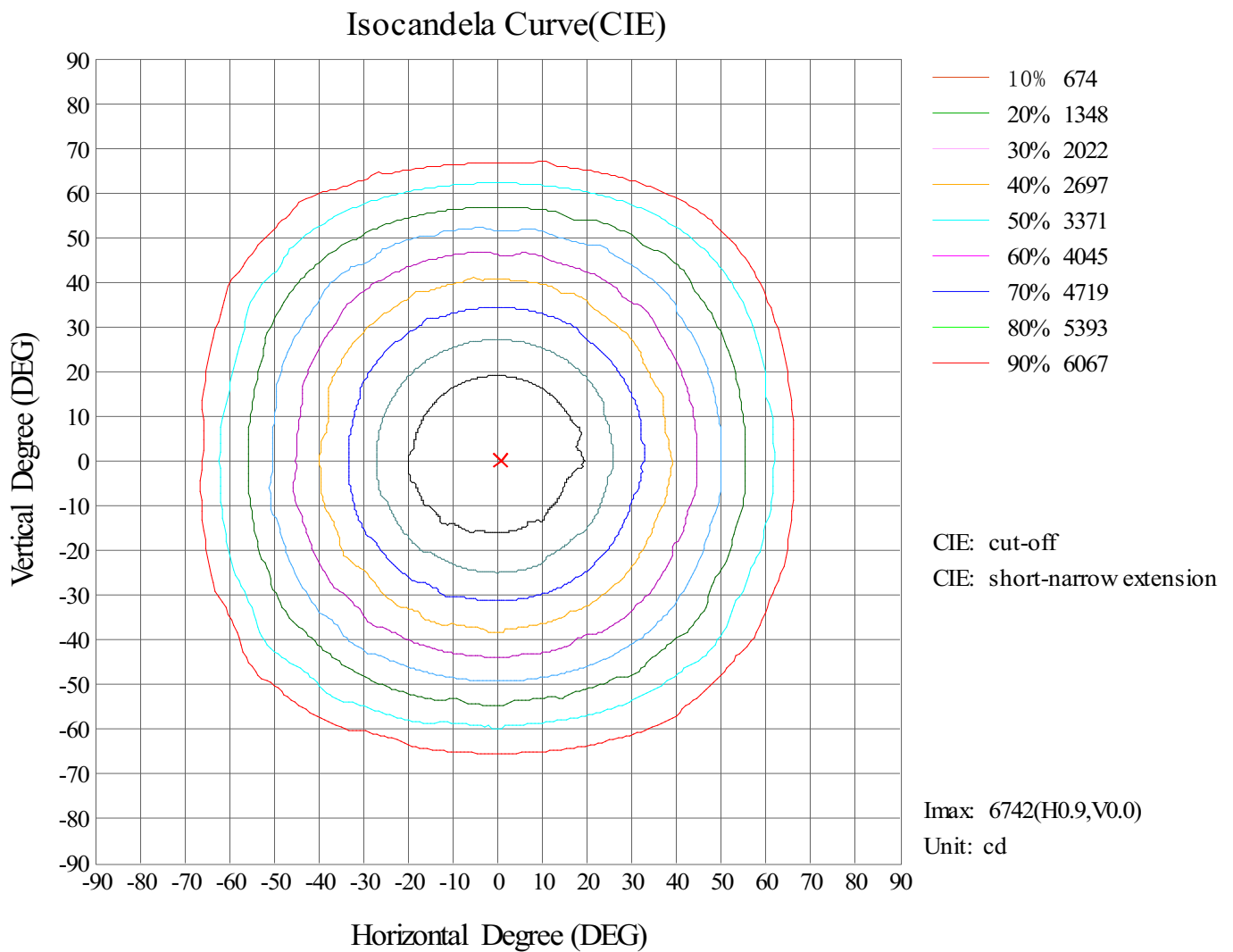


## Horizontal Isophotes Curve



## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: FDL	Lamp Size: 39cm×36.5cm×5.5cm	Lamp Weight:
Lamp Type: FDL-S3-100W	Rated Voltage: 230 V	Rated Power: 100 W
Light Type: LED	Light Number:	Rated Flux:
Light Standard:	Light Area: 31.5cm×16.5cm	Light Flux:



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

γ Range: 0度-90度

γ Interval: 0.9度

Test Date: 2019-05-09

Test Time: 10-13-24

Temperature: 25℃

Humidity: 65%

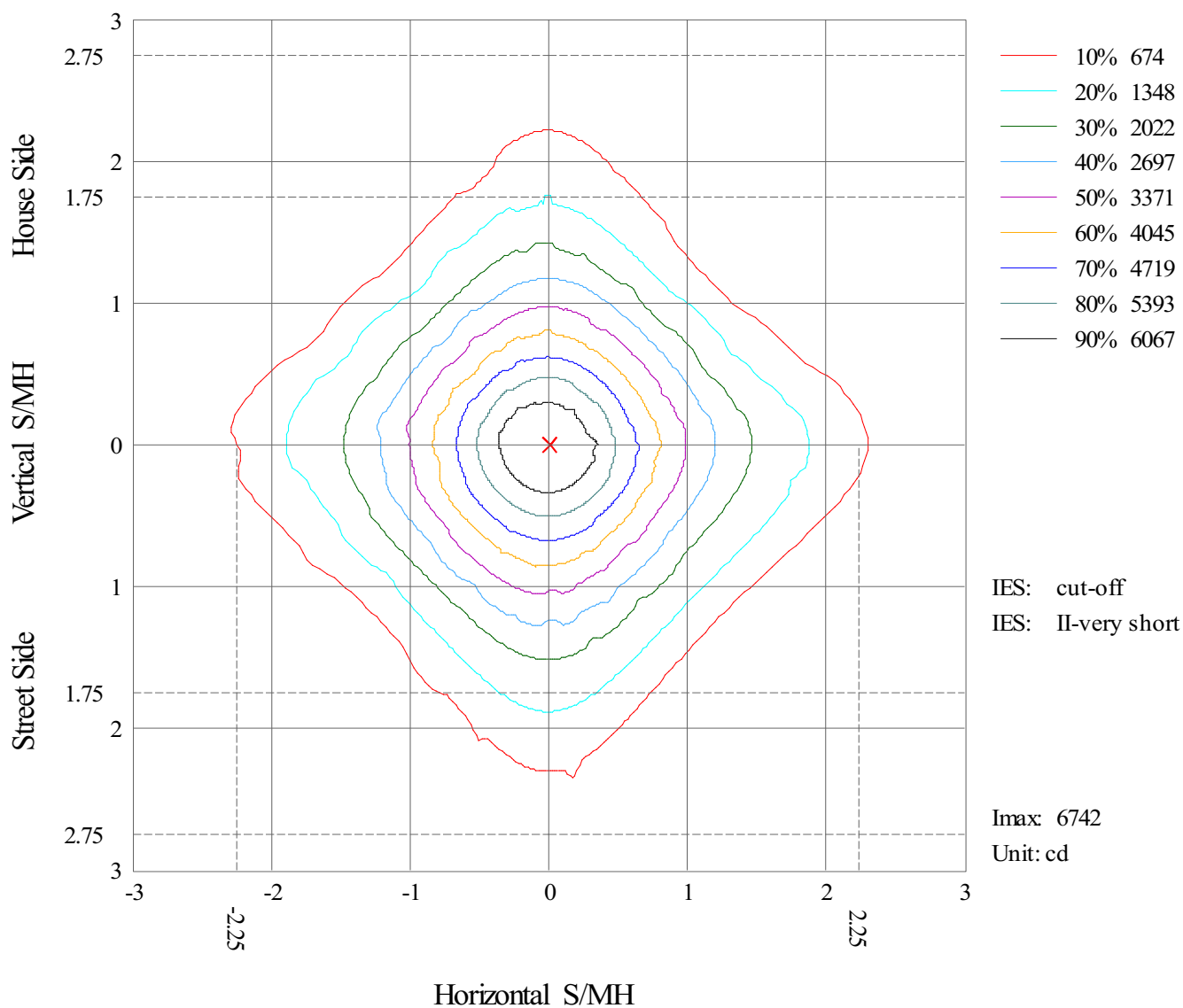
Test No.:

Tester:

## Isocandela Curve of Lamp

Lamp Description		
Lamp Name: FDL	Lamp Size: 39cm×36.5cm×5.5cm	Lamp Weight:
Lamp Type: FDL-S3-100W	Rated Voltage: 230 V	Rated Power: 100 W
Light Type: LED	Light Number:	Rated Flux:
Light Standard:	Light Area: 31.5cm×16.5cm	Light Flux:

### Isocandela Curve(IES)



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 4.9 m

Note: notes

γ Range: 0度-90度

γ Interval: 0.9度

Test Date: 2019-05-09

Test Time: 10-13-24

Temperature: 25℃

Humidity: 65%

Test No.:

Tester:

## Lamp Ring with Flux

Lamp Description		
Lamp Name: FDL	Lamp Size: 39cm×36.5cm×5.5cm	Lamp Weight:
Lamp Type: FDL-S3-100W	Rated Voltage: 230 V	Rated Power: 100 W
Light Type: LED	Light Number:	Rated Flux:
Light Standard:	Light Area: 31.5cm×16.5cm	Light Flux:

γ	C0	C90	C180	C270	γ(°)	Φ(Ring)	Φ(Total)	%
3.6	6709	6655	6711	6612	0.0-3.6	82.56	82.56	0.63
7.2	6641	6576	6639	6502	3.6-7.2	245.1	327.7	2.50
10.8	6538	6442	6533	6370	7.2-10.8	401.2	728.9	5.56
14.4	6351	6288	6366	6177	10.8-14.4	546.7	1276	9.73
18.0	6162	6112	6165	5918	14.4-18.0	677.9	1953	14.90
21.6	5828	5821	5864	5651	18.0-21.6	1002	2955	22.53
25.2	5437	5518	5525	5326	21.6-25.2	896.7	3852	29.37
28.8	5106	5205	5138	5003	25.2-28.8	955.9	4808	36.66
32.4	4737	4866	4764	4602	28.8-32.4	992.4	5800	44.23
36.0	4390	4502	4398	4239	32.4-36.0	1005	6805	51.89
39.6	3961	4079	3968	3863	36.0-39.6	997.3	7802	59.49
43.2	3534	3704	3534	3430	39.6-43.2	968.3	8770	66.88
46.8	3142	3235	3099	3026	43.2-46.8	913.7	9684	73.84
50.4	2683	2801	2656	2563	46.8-50.4	833.7	10518	80.20
54.0	2203	2295	2183	2093	50.4-54.0	724.5	11242	85.73
57.6	1760	1806	1731	1551	54.0-57.6	596.4	11839	90.27
61.2	1414	1401	1372	1218	57.6-61.2	479.2	12318	93.93
64.8	896.9	893.4	817.0	781.4	61.2-64.8	343.4	12661	96.55
68.4	320.8	340.3	322.6	297.9	64.8-68.4	159.4	12821	97.76
72.0	179.1	147.7	222.9	212.4	68.4-72.0	78.37	12899	98.36
75.6	140.0	114.6	182.3	170.7	72.0-75.6	46.86	12946	98.72
79.2	113.0	90.15	147.6	139.7	75.6-79.2	52.31	12998	99.12
82.8	91.86	79.24	120.6	116.3	79.2-82.8	43.16	13042	99.45
86.4	82.11	76.85	103.6	104.1	82.8-86.4	37.55	13079	99.73
90.0	76.58	78.01	95.02	95.34	86.4-90.0	35.10	13114	100.00
Unit: °	Intensity Unit: cd					Unit: lm		

γ/C	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0.0	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689	6689
3.6	6709	6685	6696	6682	6691	6672	6682	6668	6671	6655	6659	6645	6646	6628	6632	6612	6624	6598	6711
7.2	6641	6617	6629	6609	6622	6605	6618	6594	6602	6576	6585	6557	6574	6550	6558	6534	6552	6532	6639
10.8	6538	6491	6515	6490	6516	6480	6506	6478	6486	6442	6465	6433	6460	6422	6450	6422	6454	6421	6533
14.4	6351	6313	6341	6302	6338	6307	6329	6295	6329	6288	6324	6287	6318	6276	6308	6278	6316	6278	6366
18.0	6162	6047	6149	6089	6139	6071	6126	6112	6133	6112	6133	6120	6128	6102	6124	6068	6122	6076	6165
21.6	5828	5784	5826	5803	5831	5807	5808	5814	5812	5821	5857	5866	5845	5835	5833	5833	5842	5800	5864
25.2	5437	5456	5478	5484	5499	5496	5528	5522	5523	5518	5540	5557	5540	5553	5548	5520	5525	5487	5525
28.8	5106	5076	5111	5106	5128	5139	5190	5184	5180	5205	5208	5214	5213	5191	5202	5192	5135	5111	5138
32.4	4737	4714	4760	4729	4749	4769	4849	4842	4851	4866	4872	4855	4901	4846	4848	4825	4803	4763	4764
36.0	4390	4207	4355	4243	4401	4287	4452	4462	4490	4502	4502	4523	4534	4503	4507	4450	4451	4249	4398
39.6	3961	3901	3965	3923	4037	3985	4056	4039	4135	4079	4149	4094	4157	4082	4119	4053	4095	3945	3968
43.2	3534	3495	3568	3511	3612	3563	3689	3672	3722	3704	3743	3702	3730	3698	3731	3640	3664	3569	3534
46.8	3142	3067	3164	3091	3165	3171	3264	3218	3282	3235	3337	3283	3344	3259	3299	3226	3203	3148	3099
50.4	2683	2617	2696	2651	2739	2718	2837	2791	2839	2801	2853	2811	2882	2797	2895	2737	2780	2694	2656
54.0	2203	2163	2194	2174	2300	2246	2319	2264	2331	2295	2328	2302	2366	2284	2378	2269	2291	2186	2183
57.6	1760	1709	1799	1737	1814	1766	1839	1774	1851	1806	1843	1786	1865	1767	1802	1763	1822	1739	1731
61.2	1414	1334	1410	1366	1407	1380	1436	1406	1431	1401	1412	1356	1393	1361	1382	1343	1356	1319	1372
64.8	896.9	846.5	916.1	836.2	966.7	913.1	922.8	856.0	1074	893.4	962.2	897.0	966.8	918.7	1013	860.2	987.3	940.0	817.0
68.4	320.8	311.7	359.1	306.9	383.2	317.6	308.0	292.3	393.1	340.3	378.0	339.8	398.3	387.8	429.0	293.6	402.1	381.9	322.6
72.0	179.1	172.3	180.7	166.5	173.6	166.1	163.0	151.8	152.1	147.7	152.9	148.2	155.0	152.5	159.2	164.8	170.2	171.8	222.9
75.6	140.0	136.6	141.7	135.4	138.2	130.5	130.2	121.7	119.5	114.6	114.1	112.3	117.0	116.5	124.1	124.2	132.9	135.9	182.3
79.2	113.0	110.8	110.8	110.9	112.8	104.9	102.1	95.92	95.76	90.15	91.43	89.61	92.37	92.48	97.57	98.47	105.5	107.0	147.6
82.8	91.86	90.11	91.51	90.66	90.38	84.90	85.56	81.28	81.82	79.24	79.08	78.23	80.09	79.26	82.10	83.02	87.60	88.39	120.6
86.4	82.11	81.09	81.49	80.72	79.80	78.69	78.19	77.78	77.31	76.85	76.70	76.82	76.73	77.23	77.84	78.78	79.65	80.31	103.6
90.0	76.58	76.43	81.85	74.53	80.70	77.27	81.43	78.17	80.55	78.01	81.01	78.49	80.60	77.88	82.08	79.04	81.93	77.24	95.02